

<b>Office Action Summary</b>	<b>Application No.</b> 10/524,918	<b>Applicant(s)</b> STOUT, TODD	
	<b>Examiner</b> Michael C. Astorino	<b>Art Unit</b> 3769	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on August 10, & November 9, 2009.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 18, 47-89 and 91 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 18, 47-89, 91 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. <u>20100309</u> .                           |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application  |
| Paper No(s)/Mail Date <u>11/9/09</u> .   | 6) <input type="checkbox"/> Other: _____.                          |



## DETAILED ACTION

The Examiner acknowledges the response filed August 10, 2009, and November 9, 2009, wherein claims 18, 47-89, and 91 are pending.

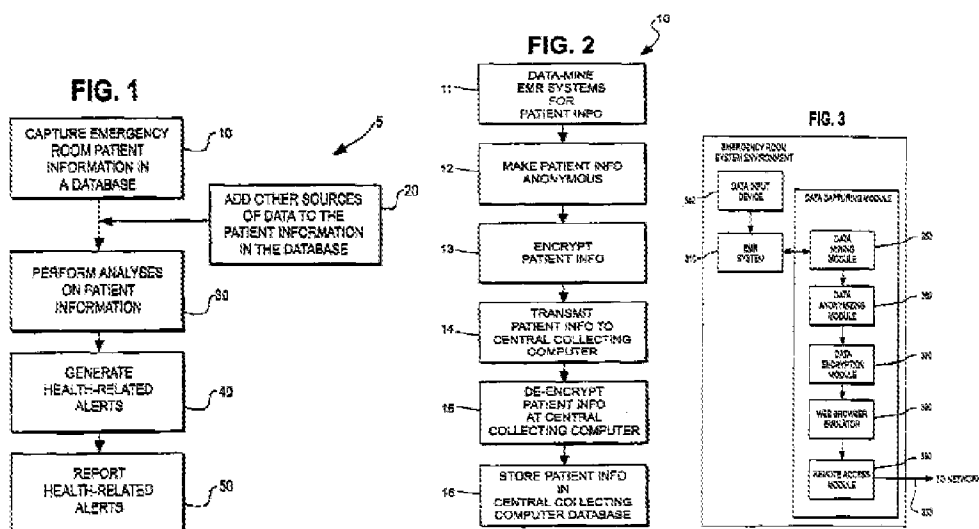
### *Claim Rejections - 35 USC § 102*

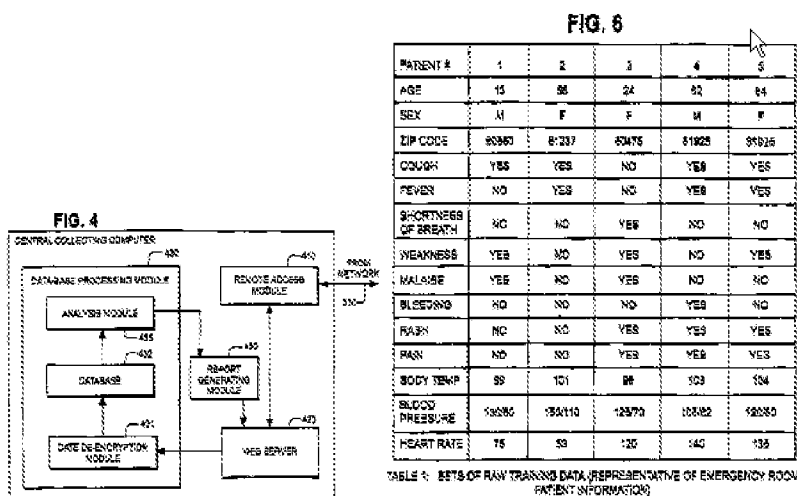
The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 18, 47-89 and 91 are rejected under 35 U.S.C. 102(e) as being anticipated by Epler et al. US Patent Number 7,024,370, (“Epler”).





In regards to claims 18, 47-89 and 91, Epler teach the process of the gathering of data from emergency medical records (10) and other sources (20) to ultimately identify alerts via patient data (40, 50), particularly symptom and demographic data, *see figures 1-2 and 6, and the abstract*. An example raw demographic and symptom data for training the system is illustrated in *figure 6*. Further Epler generates algorithms to later issue alerts on health related events, illustrated and discussed in *figures 5-6, column 9, line 54 to column 12, line 63*. The use of the system thereafter is discussed in *column 12, line 64 to column 14, line 16*. Epler discusses being able to trigger alerts for multiple issues including nuclear radiation, bio-terrorism, influenza, common virus, nerve gas poisoning, bacterial meningitis, etc.

In regards to receiving data form emergency services dispatcher, e.g. claim 48, *see column 6, lines 38-52*.

In regards from receiving data from a first and second geographical areas; see discussion of time windows, cluster maps and maps of low, medium, and high rates of mortality in *column 9, lines 8-31*, e.g. claims 50-51. The changing criteria for the analyses are indicative of changing

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triggers inherently remove data/occurrences and at the same time may add occurrences, e.g. claims 18, and 55-56, 58 and 63. For example, if a time window in an analysis changes from March 1 to March 5, to March 2 to March 6 data would be removed and added. Also, gathering new patient data is equivalent to adding new occurrences, e.g. claim 18 and 63. Similarly this addition and removal of data would occur via rate maps, cluster maps, etc. Additionally weighting symptom data is inherent based on figure 6, and is further discussed in *column 10, lines 37-67, column 11, lines 1-67, and column 12, lines 1-10*, e.g. claim 57.

Regarding a display of data, see reporting generating module (450) which reports data from the analysis modules, the analyses include maps and reports described in *column 9, lines 4-31*.

Regarding a symptoms list, see *figure 6, and column 10, lines 1-14*, e.g. claim 59.

Regarding changing the sensitivity of a trigger on national threat level see *column 10, lines 37-47*, e.g. claims 67-68.

### ***Response to Arguments***

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection.

The Applicant is invited to request an interview to discuss suggestions to find an acceptable conclusion of the prosecution for all parties.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Astorino whose telephone number is (571)272-4723. The examiner can normally be reached on Monday-Friday, 8:30AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Johnson can be reached on 571-272-4768. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Michael C. Astorino/  
Primary Examiner, Art Unit 3769

March 14, 2010